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Wood Products Used in the Construction of Nonresidential and Nonhousekeeping Buildings in Pennsylvania

- A Pilot Study -

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Division of Forest Economics and Marketing Research

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PREFACE

This research was undertaken as a pilot study to develop a methodology for estimating wood use in nonresidential construction. The results of the study are being published so that they are available to market research organizations, State and Federal forestry agencies, and others interested in evaluating markets for wood products in nonresidential and nonhousekeeping building construction.

The data were derived from a sample survey of new nonresidential and nonhousekeeping buildings in Pennsylvania for which construction contracts were awarded in 1965. The universe consisted of 3,870 building projects for which contracts for construction were awarded during 1965 as reported by F.W. Dodge Incorporated. Each of the building projects was classified into one of seven building types on the basis of end use and into one of four structural classes on the basis of the material used for structural framing.

The sample consisted of 466 buildings and was selected from the universe using a procedure in which the probability of a project being selected was proportional to the contract award value of the project. The wood use data for each of the sample projects was obtained by "take-off" from the architectural plan and by consultation with the contractor and/or architect. The quantity of wood used in construction items was recorded in standard units of measure determined from direct measurement or by the use of conversion factors. Estimates of wood materials required for forming concrete and other uses of wood not specifically indicated on the building plans were obtained from the building contractor.

The standard errors of estimate were 3 percent for total lumber use and 12 percent for total plywood use. The errors of estimate for lumber use by building type varied from 2 to 17 percent and for plywood from 3 to 67 percent. The high errors in lumber use estimates were for buildings classified as educational and other, and in plywood use for buildings classified as commercial and hospital.

All data were collected and prepared as one phase of the Forest Survey authorized by Section 9 of the McSweeney-McNary Forest Research Act of 1928, as amended. This act authorized and directed the Secretary of Agriculture to cooperate with State and other agencies "in making and keeping current a comprehensive survey of the present and prospective requirements for timber and other forest products. . ."

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HIGHLIGHTS

This paper presents the results of a pilot study on the volumes of wood products used in nonresidential and nonhousekeeping building construction in Pennsylvania in 1965. The wood products covered are lumber, plywood, hardboard, insulation board, and particleboard. The use of each product is shown by building type and structural class. Within these categories, further information is given for building components such as roofs, floors, and walls, and construction items such as trusses, subflooring, and sheathing.

In 1965, wood product usage was 50.6 million board feet of lumber, 38.0 million square feet (3/8-inch basis) of plywood, 2.9 million square feet (1/8-inch basis) of hardboard, 2.8 million square feet (1/2-inch basis) of insulation board, and 0.7 million square feet (3/4-inch basis) of particleboard. Thirty-two percent of the lumber and 59 percent of the plywood was used for facilitating purposes, such as concrete forms, temporary fencing, and scaffolding. The remaining lumber and plywood and, practically all the other wood products, went into integral parts of the buildings.

The use of wood products varied widely among the different building types and structural classes. About 70 percent of the lumber was used in the construction of commercial, religious, and educational buildings; 59 percent in the wood and steel structural classes; and 64 percent in roof components and facilitating uses. Half of the plywood was used in commercial and educational buildings, 70 percent in the steel and concrete structural classes, and 59 percent in facilitating uses. Particleboard and hardboard use was greatest in educational buildings while insulation board was primarily used in commercial buildings.

INTRODUCTION

The amount of wood products consumed in nonresidential and nonhousekeeping buildings is determined in part by the volume of construction. It is also dependent on the type of buildings and their structural characteristics.

In 1965, the volume of new nonresidential and nonhousekeeping construction in Pennsylvania, as measured by expenditures, amounted to more than $1 billion (table 1). About 26 percent of these expenditures were for educational buildings, 21 percent for commercial buildings, and 20 percent for industrial buildings.[1] The remaining 33 percent were for nonhousekeeping, hospital, religious, and other types of buildings.

Almost 45 percent of the expenditures were for buildings in the steel structural class.[2] Most of the remaining expenditures were for buildings in the concrete and masonry structural classes. Only 8 percent of the total was used for buildings in which wood was used for framing walls, floors, or roofs. About two-fifths of the expenditures for buildings in the wood structural class were for religious structures.

Wood products use totaled 50.6 million board feet of lumber, 38 million square feet of plywood, and 6.4 million square feet of hardboard, particleboard, and insulation board. Some 32 percent of the lumber and 59 percent of the plywood went for facilitating purposes such as concrete forms, temporary fencing, and scaffolding. All the rest of the wood products became integral parts of the buildings.

Table 1.—Expenditures for the construction of nonresidential and nonhousekeeping buildings, by building type and structural class, Pennsylvania, 1965

[Thousand dollars]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
Nonhousekeeping	7,824.6	13,502.4	10,802.1	10,820.3	8,453.3	51,402.7
Commercial	10,567.9	101,439.3	21,518.5	35,180.6	39,697.3	208,403.6
Industrial	2,763.9	133,220.7	14,452.7	15,526.0	41,379.2	207,342.5
Educational	6,950.1	119,673.7	45,589.2	53,608.6	42,112.9	267,934.5
Hospital	8,677.4	32,590.9	34,928.3	6,656.2	13,688.3	96,541.1
Religious	29,665.7	6,888.9	4,590.9	9,915.1	7,214.4	58,275.0
Other	10,995.9	53,383.3	15,976.5	9,086.2	31,644.1	121,086.0
All types	77,445.5	460,699.2	147,858.2	140,793.0	184,189.5	1,010,985.4

LUMBER

Of the 50.6 million board feet of lumber consumed, a little over a fifth was used in the construction of commercial buildings (table 2). Another third was used in religious and educational buildings. Most of the remainder went into industrial buildings and hospitals.

Lumber consumption in buildings in the wood structural class amounted to 15.5 million board feet—some 31 percent of the total. Another 14.1 million board feet was in buildings in the steel structural class with the remaining volume (21.1 million feet) about equally divided among the other structural classes.

The relatively large volumes of lumber consumed in the steel, concrete, and masonry structural classes reflected the concentration of expenditures in these types (table 1). Lumber use per thousand dollars of expenditure in these types—ranging from 30.6 board feet per thousand dollars in steel to 48.7 in masonry—was far

[1] Definitions of building types are given in the appendix.

[2] Definitions of structural classes are given in the appendix.

Table 2.—Lumber used in nonresidential and nonhousekeeping building construction, by building type and structural class, Pennsylvania, 1965

[Thousand board feet]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
Nonhousekeeping	1,925.7	456.2	218.8	514.7	595.0	3,710.4
Commercial	1,544.7	3,319.1	1,782.1	2,903.7	1,390.5	10,940.1
Industrial	1,003.7	3,846.8	420.6	424.5	1,109.8	6,805.4
Educational	890.8	3,464.7	1,404.7	1,556.4	1,797.5	9,114.1
Hospital	1,542.6	630.4	1,836.7	207.4	267.2	4,484.3
Religious	6,796.7	878.5	462.8	735.0	682.9	9,555.9
Other	1,788.3	1,495.0	963.5	511.9	1,245.2	6,003.9
All types	15,492.5	14,090.7	7,089.2	6,853.6	7,088.1	50,614.1

below the 200 board feet per thousand dollars used in buildings in the wood structural class (table 3).

There was substantial variation in wood use per thousand dollars of expenditures among the various types of buildings. For example, average use ranged from 33 board feet per thousand in industrial buildings to 164 board feet in religious buildings. Lumber use per thousand dollars was highest in religious buildings because of widespread use of wood for decorative purposes.

Lumber was used in all building components, but roof construction and facilitating uses such as concrete formwork and scaffolding accounted for 64 percent of total consumption.[3] Another 15 percent went into wall construction and 12 percent into floor construction. Only 9 percent of the 50.6 million board feet of lumber was used in millwork items such as doors, windows, shelving, etc. Most of the lumber that became an integral part of the buildings was in the form of studs, joists, and rafters.

Table 3.—Lumber used per thousand dollars of construction expenditures in nonresidential and nonhousekeeping building construction, by building type and structural class, Pennsylvania, 1965

[Board feet per thousand dollars]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
Nonhousekeeping	246.0	33.8	20.3	47.5	70.4	72.2
Commercial	146.2	32.7	82.8	82.5	35.0	52.2
Industrial	363.1	28.9	29.1	27.3	26.8	32.8
Educational	128.2	29.0	30.8	29.0	42.7	34.0
Hospital	177.8	19.3	52.6	31.1	19.5	46.5
Religious	229.1	127.5	100.8	74.1	94.7	164.0
Other	162.6	28.0	60.3	56.3	39.4	49.6
All types	200.0	30.6	47.9	48.7	38.4	50.1

PLYWOOD

Plywood use in nonresidential construction in Pennsylvania in 1965 totaled over 38 million square feet (3/8-inch basis) (table 4). Almost one-third of this plywood was used in the construction of educational buildings and one-fifth for commercial buildings. Most of the remaining volume was consumed in religious, nonhousekeeping, and hospital buildings.

[3] Detailed data are given by structural class, building component, and construction item for each product and each building type in the tables in the appendix.

Table 4.–Plywood used in nonresidential and nonhousekeeping building construction, by building type and structural class, Pennsylvania, 1965

[Thousand square feet, 3/8-inch basis]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
Nonhousekeeping	1,300.6	310.9	1,009.7	728.0	458.4	3,807.6
Commercial	962.7	2,339.6	1,824.7	1,547.2	801.5	7,475.7
Industrial	92.0	1,481.7	548.4	287.0	434.8	2,843.9
Educational	304.4	6,197.3	2,687.6	893.4	1,236.4	11,319.1
Hospital	1,092.6	428.5	1,150.5	225.8	306.8	3,204.2
Religious	2,382.2	320.8	382.2	487.4	670.3	4,242.9
Other	558.4	685.2	2,165.9	340.5	1,400.0	5,150.0
All types	6,692.9	11,764.0	9,769.0	4,509.3	5,308.2	38,043.4

More than half of the plywood consumed was used in the buildings in the steel and concrete structural classes (table 4). Plywood use in buildings in the wood structural class accounted for only 18 percent of total consumption.

Although total use was relatively low, plywood use per thousand dollars of expenditures in the wood structural class–86 square feet per thousand dollars–was much above average use in the steel and masonry structural classes (table 5). Average use–66 square feet per thousand dollars–was also relatively high in the concrete structural class. This reflected the extensive use of plywood in concrete forms.

Among the various building types the highest average plywood use per thousand dollars of expenditures was in the nonhousekeeping and religious buildings.

Fifty-eight percent of all the plywood used went into facilitating applications, primarily concrete forms. Eighteen percent went into millwork items, primarily cabinets, and 15 percent into roof construction, mostly in the form of decking. Floor and wall construction together accounted for another 9 percent.

Table 5.–Plywood used per thousand dollars of construction expenditure in nonresidential and nonhousekeeping building construction, by building type and structural class, Pennsylvania, 1965

[Square feet, 3/8-inch basis, per thousand dollars]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
Nonhousekeeping	166.2	23.0	93.5	67.3	54.2	74.1
Commercial	91.1	23.1	84.8	44.0	20.2	35.9
Industrial	33.3	11.1	37.9	18.5	10.5	13.7
Educational	43.8	51.8	59.0	16.7	29.4	42.3
Hospital	125.9	13.1	32.9	33.9	22.4	33.2
Religious	80.3	46.6	83.3	49.2	92.9	72.8
Other	50.8	12.8	135.6	37.5	44.2	42.5
All types	86.4	25.5	66.1	32.0	28.8	37.6

OTHER WOOD PRODUCTS

Hardboard

Hardboard use in nonresidential building in Pennsylvania in 1965 amounted to 2.9 million square feet (1/8-inch basis) (table 6). A little over a third of this volume went into educational buildings. Most of the remainder was used in the construction of commercial and industrial buildings.

Some 35 percent of the hardboard consumed was utilized in buildings in the unclassified structural class. Another 57 percent was used in the steel, concrete, and masonry classes. Use in the wood structural class was less than 9 percent of the total.

Hardboard use per thousand dollars of expenditures averaged 2.8 square feet (table 7). Average use per thousand was highest in educational buildings and in the buildings in the unclassified structural class.

Some 57 percent of the hardboard went into wall construction where it was used for paneling and partitions. Millwork items, primarily cabinets, accounted for 23 percent, and floor and roof construction 20 percent.

Table 6.—Hardboard, particleboard, and insulation board used in nonresidential and nonhousekeeping building construction, by building type and structural class, Pennsylvania, 1965

[Thousand square feet]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
HARDBOARD (1/8-inch basis)						
Nonhousekeeping	4.9	13.6	145.1	0.3	0.2	164.1
Commercial	27.1	192.0	3.3	463.1	73.8	759.3
Industrial	12.3	247.1	--	.1	355.4	614.9
Educational	83.7	87.3	331.5	64.9	474.5	1,041.9
Hospital	9.0	4.0	57.7	3.9	62.4	137.0
Religious	89.8	2.0	2.0	17.3	15.8	126.9
Other	16.1	4.1	--	.2	15.6	36.0
All types	242.9	550.1	539.6	549.8	997.7	2,880.1
PARTICLEBOARD (3/4-inch basis)						
Nonhousekeeping	5.2	34.6	25.1	5.1	0.4	70.4
Commercial	1.4	.6	.2	2.3	11.5	16.0
Industrial	--	--	.8	.2	.1	1.1
Educational	5.2	21.3	113.2	346.9	21.9	508.5
Hospital	26.5	10.1	25.1	1.4	--	63.1
Religious	29.7	5.5	.6	11.6	18.0	65.4
Other	2.3	14.1	.1	.8	--	17.3
All types	70.3	86.2	165.1	368.3	51.9	741.8
INSULATION BOARD (1/2-inch basis)						
Nonhousekeeping	11.1	--	--	78.9	--	90.0
Commercial	52.9	1,035.4	--	--	--	1,088.3
Industrial	--	--	--	763.1	--	763.1
Educational	95.8	--	--	--	378.5	474.3
Hospital	13.0	--	--	--	--	13.0
Religious	124.0	--	--	7.7	162.8	294.5
Other	--	--	--	55.6	--	55.6
All types	296.8	1,035.4	--	905.3	541.3	2,778.8

Table 7.–Hardboard, particleboard, and insulation board used per thousand dollars of construction expenditures on nonhousekeeping and nonresidential building construction, by building type and structural class, Pennsylvania, 1965

[Square feet per thousand dollars]

Building type	Structural class					
	Wood	Steel	Concrete	Masonry	Unclassified	All classes
HARDBOARD (1/8-inch basis)						
Nonhousekeeping	0.6	1.0	13.4	([1])	([1])	3.2
Commercial	2.6	1.9	0.2	13.2	1.9	3.6
Industrial	4.5	1.9	--	([1])	8.6	3.0
Educational	12.0	0.7	7.3	1.2	11.3	3.9
Hospital	1.0	0.1	1.7	0.6	4.6	1.4
Religious	3.0	0.3	0.4	1.7	2.2	2.2
Other	1.5	0.1	--	([1])	0.5	0.3
All types	3.1	1.2	3.6	3.9	5.4	2.8
PARTICLEBOARD (3/4-inch basis)						
Nonhousekeeping	0.7	2.6	2.3	0.5	([1])	1.4
Commercial	0.1	([1])	([1])	0.1	0.3	0.1
Industrial	--	--	0.1	([1])	([1])	([1])
Educational	0.7	0.2	2.5	6.5	0.5	1.9
Hospital	3.1	0.3	0.7	0.2	--	0.7
Religious	1.0	0.8	0.1	1.2	2.5	1.1
Other	0.2	0.3	([1])	0.1	--	0.1
All types	0.9	0.2	1.1	2.6	0.3	0.7
INSULATION BOARD (1/2-inch basis)						
Nonhousekeeping	1.4	--	--	7.3	--	1.8
Commercial	5.0	10.2	--	--	--	5.2
Industrial	--	--	--	49.1	--	3.7
Educational	13.8	--	--	--	9.0	1.8
Hospital	1.5	--	--	--	--	0.1
Religious	4.2	--	--	0.8	22.6	5.1
Other	--	--	--	6.1	--	0.5
All types	3.8	2.2	--	6.4	2.9	2.7

[1] Less than 0.1 square foot.

Particleboard

Over two-thirds of the 741,800 square feet (3/4-inch basis) of particleboard used in nonresidential buildings in Pennsylvania in 1965 went into educational buildings (table 6). Nearly all of the remaining volume was used in nonhousekeeping, hospital, and religious buildings.

Almost half of the particleboard consumed was used in the masonry structural class, largely in educational buildings. Less than 10 percent of the total went into buildings in the wood structural class.

Particleboard use per thousand dollars of expenditures averaged 0.7 square foot (table 7). Use ranged as high as 6.5 square feet per thousand in educational buildings but was less than 1 square foot per thousand in most building types and structural classes.

Ninety-three percent of the particleboard went into millwork applications. The major end-use was in base and storage cabinets, but some went into doors and shelving. The remaining 7 percent was used as floor underlayment and interior partitions.

Insulation Board

Insulation board use in nonresidential construction in Pennsylvania in 1965 amounted to almost 2.8 million square feet (1/2-inch basis) (table 6). Two-thirds of this went into commercial and industrial construction.

Seventy percent of the insulation board consumed was used in buildings in the steel and masonry structural classes. No insulation board use was reported in the concrete structural class.

Insulation board use per thousand dollars of construction expenditures averaged 2.7 square feet (table 7). Use per thousand dollars in most building types and structural classes was close to this average.

Ninety-seven percent of the insulation board went into roof construction as sheathing. The remaining 3 percent was used as wall sheathing.

APPENDIX

Definitions of Building Types

Building type	*Definition*
Nonhousekeeping	Buildings which provide residential facilities other than housing units and are generally characterized as nonhousekeeping quarters such as hotels (other than apartment hotels), motels, dormitories.
Commercial	Buildings which are primarily for the rental of office space, to house banks and other financial institutions, or for use in wholesale, retail, and service trades, such as stores, restaurants, and garages.
Industrial	Buildings of manufacturing establishments as defined in major groups 19-39 of the Standard Industrial Classification Manual which are used to house production, assembly, and warehousing activities as well as auxiliary facilities such as administration buildings.
Educational	Buildings which are used directly in the administrative and instructional activities of establishments furnishing formal academic or technical courses. These establishments include colleges and universities, elementary and secondary schools, libraries, museums, and art galleries as well as laboratories which are not part of manufacturing establishments.
Hospital	Buildings for establishments which are primarily engaged in providing hospital and institutional care such as general, mental, and tuberculosis hospitals, clinics or infirmaries, sanitariums, nursing homes, homes for the aged, orphanages, etc.
Religious	Buildings which are used primarily for religious services and functions or to house and train religious personnel; such as churches, synagogues, convents, monasteries, theological seminaries, etc., as well as funeral parlors, mausoleums, and crematories.
Other	Buildings, except farm and public utilities, which are not elsewhere classified such as auditoriums, theaters, indoor swimming pools, fire stations, bus and air passenger terminals, etc.

Definitions of Structural Classes

Structural Class	*Definition*
Wood	Buildings that used wood in one or more of the following structural areas: a. Wall framing consisting of wood studs or timbers. b. Floor framing consisting of wood joists or beams. c. Roof framing consisting of wood rafters, trusses, or beams.
Steel	Buildings whose structural framing consisted of steel columns, beams, and girders and whose floor and roof support consisted of materials other than wood.
Concrete	Buildings whose structural framing consisted of reinforced concrete poured in place and whose floor or roof support consisted of materials other than wood.
Masonry	Buildings whose exterior walls consisted of concrete block, brick, precast concrete, and masonry and whose floor or roof support consisted of materials other than wood.
Unclassified	Buildings whose structural framing and floor or roof support materials could not be determined from construction contract awards reports provided by F.W. Dodge, Inc.

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Table 1.–Lumber used in the nonhousekeeping building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	98.8	5.1	--	--	--	--	--	--	--	--	98.8	2.7
Beams	51.8	2.7	--	--	--	--	4.2	0.8	12.6	2.1	68.6	1.8
Arches	--	--	--	--	--	--	--	--	--	--	--	--
Rafters	174.3	9.0	1.5	0.3	--	--	119.7	23.3	3.9	.7	299.4	8.1
Joists	111.1	5.8	1.1	.2	16.1	7.3	78.0	15.1	27.7	4.6	234.0	6.3
Decking	182.4	9.5	--	--	--	--	6.0	1.2	2.4	.4	190.8	5.1
Blocking	27.9	1.4	8.9	2.0	9.7	4.4	27.0	5.3	14.0	2.4	87.5	2.4
Other	30.8	1.6	54.2	11.9	3.4	1.6	8.9	1.7	.7	.1	98.0	2.6
All roof	677.1	35.1	65.7	14.4	29.2	13.3	243.8	47.4	61.3	10.3	1,077.1	29.0
Floor:												
Beams	13.7	0.7	--	--	--	--	--	--	30.5	5.1	44.2	1.2
Joists	116.7	6.1	.6	.1	--	--	--	--	72.3	12.1	189.6	5.0
Subfloor	8.1	.4	--	--	--	--	--	--	--	--	8.1	.2
Decking	--	--	--	--	--	--	3.3	.6	--	--	3.3	.1
Flooring	6.0	.3	--	--	--	--	--	--	25.6	4.3	31.6	.9
Other	1.5	.1	.3	.1	.9	.4	8.0	1.6	3.3	.6	14.0	.4
All floor	146.0	7.6	.9	.2	.9	.4	11.3	2.2	131.7	22.1	290.8	7.8
Exterior wall:												
Studs	71.1	3.7	4.1	0.9	--	--	1.0	0.2	44.6	7.5	120.8	3.3
Furring	23.4	1.2	5.2	1.1	--	--	11.7	2.3	--	--	40.3	1.1
Siding	10.8	.6	.4	.1	--	--	.7	.1	--	--	11.9	.3
Other	10.4	.5	3.9	.9	4.5	2.1	2.6	.5	6.4	1.1	27.8	.7
All exterior wall	115.7	6.0	13.6	3.0	4.5	2.1	16.0	3.1	51.0	8.6	200.8	5.4
Interior wall:												
Studs	209.5	10.9	93.6	20.5	27.8	12.7	36.3	7.0	140.1	23.5	507.3	13.7
Furring	15.4	.8	10.4	2.3	11.0	5.1	13.3	2.6	4.9	.8	55.0	1.5
Other	18.9	1.0	.4	.1	2.5	1.1	10.1	2.0	10.4	1.8	42.3	1.1
All interior wall	243.8	12.7	104.4	22.9	41.3	18.9	59.7	11.6	155.4	26.1	604.6	16.3
Millwork:												
Exterior doors	6.9	0.3	2.0	0.4	0.1	0.1	13.3	2.6	2.4	0.4	24.7	0.7
Interior doors	62.0	3.2	103.4	22.7	12.8	5.8	62.0	12.0	39.7	6.7	279.9	7.4
Windows (incl. frames)	39.7	2.1	7.4	1.6	1.8	.8	1.4	.3	24.8	4.2	75.1	2.0
Molding & shelving	32.7	1.7	27.9	6.1	21.4	9.8	27.6	5.4	12.9	2.2	122.5	3.3
Base cabinets	5.2	.3	4.2	.9	3.3	1.5	--	--	.3	([1])	13.0	.4
Wall cabinets	2.1	.1	.1	([1])	.1	([1])	--	--	--	--	2.3	.1
Storage cabinets	19.3	1.0	13.2	2.9	8.7	4.0	20.0	3.9	.1	([1])	61.3	1.7
Other	3.1	.2	7.5	1.7	3.3	1.5	4.4	.8	--	--	18.3	.5
All millwork	171.0	8.9	165.7	36.3	51.5	23.5	128.7	25.0	80.2	13.5	597.1	16.1
Facilitating:												
Formwork & other	572.1	29.7	105.9	23.2	91.4	41.8	55.2	10.7	115.4	19.4	940.0	25.4
All building components	1,925.7	100.0	456.2	100.0	218.8	100.0	514.7	100.0	595.0	100.0	3,710.4	100.0

[1] Less than 0.05 percent.

Table 2.—Lumber used in the commercial building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	226.0	14.6	9.3	0.3	--	--	230.3	7.9	--	--	465.6	4.3
Beams	8.2	.5	--	--	--	--	24.9	.9	25.2	1.8	58.3	.5
Arches	--	--	--	--	--	--	--	--	21.4	1.6	21.4	.2
Rafters	84.8	5.5	--	--	--	--	200.4	6.9	18.5	1.3	303.7	2.8
Joists	192.2	12.4	138.4	4.2	4.0	0.2	453.2	15.6	8.9	.6	796.7	7.3
Decking	47.9	3.1	19.6	.6	2.9	.2	--	--	85.7	6.2	156.1	1.4
Blocking	64.3	4.2	251.2	7.6	14.1	.8	112.4	3.9	38.1	2.7	480.1	4.4
Other	38.3	2.5	94.3	2.8	2.7	.2	15.4	.5	3.1	.2	153.8	1.4
All roof	661.7	42.8	512.8	15.5	23.7	1.4	1,036.6	35.7	200.9	14.4	2,435.7	22.3
Floor:												
Beams	--	--	--	--	--	--	--	--	--	--	--	--
Joists	94.1	6.1	181.6	5.5	.9	.1	357.7	12.3	10.6	.8	644.9	5.9
Subfloor	--	--	--	--	.9	(1)	62.4	2.2	--	--	63.3	.6
Decking	--	--	60.4	1.8	--	--	--	--	.6	(1)	61.0	.6
Flooring	5.1	.3	--	--	1.5	.1	169.0	5.8	--	--	175.6	1.6
Other	4.6	.3	33.2	1.0	.4	(1)	7.3	.3	.1	(1)	45.6	.4
All floor	103.8	6.7	275.2	8.3	3.7	.2	596.4	20.6	11.3	.8	990.4	9.1
Exterior wall:												
Studs	91.6	5.9	118.2	3.6	--	--	217.1	7.5	6.0	0.4	432.9	4.0
Furring	14.7	1.0	26.2	.8	--	--	40.7	1.4	4.4	.3	86.0	.8
Siding	31.4	2.0	14.3	.4	--	--	185.3	6.4	10.3	.8	241.3	2.2
Other	21.9	1.4	53.4	1.6	13.2	.7	16.6	.5	27.4	2.0	132.5	1.2
All exterior wall	159.6	10.3	212.1	6.4	13.2	.7	459.7	15.8	48.1	3.5	892.7	8.2
Interior wall:												
Studs	160.3	10.3	361.8	10.9	214.3	12.0	369.1	12.7	139.8	10.1	1,245.3	11.4
Furring	16.4	1.1	14.9	.5	17.5	1.0	48.5	1.7	6.4	.5	103.7	.9
Other	19.2	1.3	74.7	2.2	3.6	.2	14.8	.5	7.4	.5	119.7	1.1
All interior wall	195.9	12.7	451.4	13.6	235.4	13.2	432.4	14.9	153.6	11.1	1,468.7	13.4
Millwork:												
Exterior doors	23.2	1.5	52.1	1.6	3.4	0.2	32.8	1.1	2.9	0.2	114.4	1.0
Interior doors	56.4	3.7	70.0	2.1	3.5	.2	37.5	1.3	38.0	2.7	205.4	1.9
Windows (incl. frames)	67.0	4.3	16.6	.5	--	--	28.7	1.0	1.8	.1	114.1	1.0
Molding & shelving	23.6	1.5	41.5	1.2	.4	(1)	79.5	2.8	7.5	.6	152.5	1.4
Base cabinets	7.3	.5	--	--	.4	(1)	1.2	(1)	.7	.1	9.6	.1
Wall cabinets	.3	(1)	--	--	--	--	--	--	.6	(1)	.9	(1)
Storage cabinets	.9	.1	.3	(1)	--	--	--	--	.1	(1)	1.3	(1)
Other	.2	(1)	--	--	.9	.1	.9	(1)	1.4	.1	3.4	(1)
All millwork	178.9	11.6	180.5	5.4	8.6	.5	180.6	6.2	53.0	3.8	601.6	5.4
Facilitating:												
Formwork & other	244.8	15.9	1,687.1	50.8	1,497.5	84.0	198.0	6.8	923.6	66.4	4,551.0	41.6
All building components	1,544.7	100.0	3,319.1	100.0	1,782.1	100.0	2,903.7	100.0	1,390.5	100.0	10,940.1	100.0

[1] Less than 0.05 percent.

Table 3.—Lumber used in the industrial building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	62.3	6.2	--	--	--	--	--	--	--	--	62.3	0.9
Beams	10.4	1.0	--	--	--	--	--	--	--	--	10.4	.2
Arches	--	--	--	--	--	--	--	--	--	--	--	--
Rafters	15.7	1.6	295.8	7.7	--	--	--	--	0.7	0.1	312.2	4.6
Joists	10.1	1.0	8.8	.2	0.3	0.1	2.4	0.6	269.4	24.3	291.0	4.3
Decking	280.3	28.0	5.0	.1	--	--	--	--	--	--	285.3	4.2
Blocking	31.8	3.2	240.0	6.2	52.2	12.3	96.3	22.7	69.0	6.2	489.3	7.1
Other	5.7	.6	5.8	.2	.7	.2	--	--	.4	(1)	12.6	0.2
All roof	416.3	41.6	555.4	14.4	53.2	12.6	98.7	23.3	339.5	30.6	1,463.1	21.5
Floor:												
Beams	0.4	(1)	--	--	--	--	--	--	--	--	0.4	(1)
Joists	155.7	15.6	--	--	--	--	--	--	5.4	.5	161.1	2.4
Subfloor	--	--	--	--	--	--	--	--	--	--	--	--
Decking	110.4	11.0	--	--	--	--	--	--	--	--	110.4	1.6
Flooring	118.4	11.8	1,770.3	46.0	--	--	24.2	5.7	65.4	5.9	1,978.3	29.1
Other	14.6	1.4	--	--	--	--	--	--	1.2	.1	15.8	.2
All floor	399.5	39.8	1,770.3	46.0	--	--	24.2	5.7	72.0	6.5	2,266.0	33.3
Exterior wall:												
Studs	--	--	123.4	3.2	--	--	--	--	2.1	0.2	125.5	1.8
Furring	1.7	.1	5.8	.2	--	--	--	--	19.8	1.8	27.3	.4
Siding	--	--	--	--	--	--	--	--	--	--	--	--
Other	.8	.1	111.6	2.9	2.3	.5	7.6	1.8	325.7	29.3	448.0	6.6
All exterior wall	2.5	.2	240.8	6.3	2.3	.5	7.6	1.8	347.6	31.3	600.8	8.8
Interior wall:												
Studs	21.6	2.1	44.3	1.2	3.4	0.8	29.3	7.0	47.8	4.3	146.4	2.2
Furring	1.8	.2	8.8	.2	--	--	1.1	.2	3.6	.3	15.3	.2
Other	.1	(1)	9.2	.2	.8	.2	--	--	2.0	.2	12.1	.2
All interior wall	23.5	2.3	62.3	1.6	4.2	1.0	30.4	7.2	53.4	4.8	173.8	2.6
Millwork:												
Exterior doors	8.9	0.9	23.5	0.7	1.9	0.5	28.4	6.7	13.3	1.2	76.0	1.2
Interior doors	11.8	1.2	24.0	.6	1.7	.4	9.1	2.1	17.0	1.6	63.6	.9
Windows (incl. frames)	.3	(1)	--	--	24.8	5.9	--	--	--	.0	25.1	.4
Molding & shelving	1.8	.2	1.5	(1)	.1	(1)	.3	.1	2.6	.2	6.3	.1
Base cabinets	--	--	--	--	--	--	.5	.1	1.2	.1	1.7	(1)
Wall cabinets	--	--	--	--	--	--	.1	(1)	--	--	.1	(1)
Storage cabinets	.1	(1)	--	--	--	--	--	--	--	--	.1	(1)
Other	.1	(1)	--	--	1.7	.4	--	--	.3	(1)	2.1	(1)
All millwork	23.0	2.3	49.0	1.3	30.2	7.2	38.4	9.0	34.4	3.1	175.0	2.6
Facilitating:												
Formwork & other	138.9	13.8	1,169.0	30.4	330.7	78.7	225.2	53.0	262.9	23.7	2,126.7	31.2
All building components	1,003.7	100.0	3,846.8	100.0	420.6	100.0	424.5	100.0	1,109.8	100.0	6,805.4	100.0

[1] Less than 0.05 percent.

Table 4.—Lumber used in the educational building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	14.1	1.6	19.5	3.5	--	–	--	–	–	–	133.6	1.5
Beams	181.0	20.3	--	–	--	–	8.9	0.6	40.4	2.3	230.3	2.5
Arches	32.2	3.6	–	–	–	–	–	–	–	–	32.2	.4
Rafters	21.0	2.4	2.8	.1	–	–	12.9	.8	18.9	1.1	55.6	.6
Joists	122.6	13.8	49.9	1.4	2.9	0.2	210.9	13.6	.5	([1])	386.8	4.2
Decking	245.0	27.5	285.5	8.2	7.0	.5	24.6	1.6	46.9	2.6	609.0	6.7
Blocking	44.7	5.0	418.9	12.1	60.3	4.3	122.6	7.9	88.8	4.9	735.3	8.0
Other	12.6	1.4	111.6	3.2	–	–	91.7	5.9	18.0	1.0	233.9	2.6
All roof	673.2	75.6	988.2	28.5	70.2	5.0	471.6	30.4	213.5	11.9	2,416.7	26.5
Floor:												
Beams	1.8	0.2	--	–	–	–	–	–	–	–	1.8	([1])
Joists	10.0	1.2	2.1	.1	9.4	.7	7.6	.5	23.9	1.3	53.0	.6
Subfloor	1.1	.1	--	–	–	–	–	–	–	–	1.1	([1])
Decking	–	–	12.5	.4	–	–	–	–	–	–	12.5	.1
Flooring	6.2	.7	160.3	4.6	83.3	5.9	72.5	4.6	536.2	29.9	858.5	9.4
Other	4.6	.5	36.4	1.0	20.1	1.4	7.8	.5	20.1	1.1	89.0	1.0
All floor	23.7	2.7	211.3	6.1	112.8	8.0	87.9	5.6	580.2	32.3	1,015.9	11.1
Exterior wall:												
Studs	8.0	0.9	–	–	–	–	–	–	–	–	8.0	0.1
Furring	2.5	.3	57.5	1.6	17.1	1.2	18.3	1.2	3.2	.2	98.6	1.1
Siding	2.0	.2	–	–	–	–	–	–	1.4	.1	3.4	([1])
Other	15.8	1.8	9.7	.3	17.3	1.2	12.7	.8	61.0	3.3	116.5	1.3
All exterior wall	28.3	3.2	67.2	1.9	34.4	2.4	31.0	2.0	65.6	3.6	226.5	2.5
Interior wall:												
Studs	43.3	4.9	283.3	8.2	31.6	2.2	31.4	2.0	69.9	3.9	460.0	5.0
Furring	1.7	.2	11.1	.3	18.1	1.3	4.8	.3	20.4	1.1	56.1	.6
Other	11.0	1.2	96.3	2.8	8.0	.6	60.8	3.9	12.2	.7	188.3	2.1
All interior wall	56.0	6.3	391.2	11.3	57.7	4.1	97.0	6.2	102.5	5.7	704.4	7.7
Millwork:												
Exterior doors	0.4	0.1	5.5	0.2	3.9	0.3	29.2	1.9	2.9	0.2	41.9	0.4
Interior doors	26.4	3.0	160.1	4.6	164.1	11.7	100.9	6.5	58.0	3.2	509.5	5.7
Windows (incl. frames)	6.3	.7	13.9	.4	--	–	1.2	.1	3.6	.2	25.0	.3
Molding & shelving	9.9	1.1	313.5	9.0	19.9	1.4	24.9	1.6	39.2	2.2	407.4	4.5
Base cabinets	1.2	.1	26.0	.8	22.8	1.6	20.2	1.3	12.2	.7	82.4	.9
Wall cabinets	.3	([1])	3.1	.1	2.9	.2	21.9	1.4	1.3	.1	29.5	.3
Storage cabinets	7.1	.8	115.7	3.3	78.5	5.6	14.9	.9	22.5	1.2	238.7	2.6
Other	3.0	.3	2.1	.1	8.0	.6	11.7	.7	5.9	.3	30.7	.3
All millwork	54.6	6.1	639.9	18.5	300.1	21.4	224.9	14.4	145.6	8.1	1,365.1	15.0
Facilitating:												
Formwork & other	55.0	6.1	1,166.9	33.7	829.5	59.1	644.0	41.4	690.1	38.4	3,385.5	37.2
All building components	890.8	100.0	3,464.7	100.0	1,404.7	100.0	1,556.4	100.0	1,797.5	100.0	9,114.1	100.0

[1] Less than 0.05 percent.

Table 5.—Lumber used in the hospital building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	193.1	12.5	--	--	3.9	0.2	3.0	1.4	--	--	200.0	4.5
Beams	96.7	6.3	3.4	0.5	--	--	--	--	--	--	100.1	2.2
Arches	16.7	1.1	16.2	2.5	--	--	--	--	--	--	32.9	.7
Rafters	137.6	8.9	--	--	1.3	.1	--	--	7.2	2.7	146.1	3.2
Joists	282.8	18.3	3.8	.6	.4	(1)	.2	.1	8.4	3.1	295.6	6.6
Decking	74.0	4.8	41.4	6.6	34.6	1.9	--	--	5.6	2.1	155.6	3.5
Blocking	46.3	3.0	28.2	4.5	18.2	1.0	9.9	4.9	3.6	1.4	106.2	2.4
Other	42.4	2.8	12.5	2.0	3.3	.2	2.6	1.2	12.3	7.9	82.1	1.8
All roof	889.6	57.7	105.5	16.7	61.7	3.4	15.7	7.6	46.1	17.2	1,118.6	24.9
Floor:												
Beams	0.8	(1)	--	--	--	--	--	--	--	--	0.8	(1)
Joists	125.8	8.2	7.2	1.2	--	--	--	--	--	--	133.0	3.0
Subfloor	--	--	--	--	--	--	--	--	--	--	--	--
Decking	--	--	--	--	--	--	--	--	--	--	--	--
Flooring	--	--	--	--	--	--	.7	.3	3.8	1.4	4.5	.1
Other	1.9	.1	7.0	1.1	.6	(1)	--	--	2.1	.8	11.6	.2
All floor	128.5	8.3	14.2	2.3	.6	(1)	.7	.3	5.9	2.2	149.9	3.3
Exterior wall:												
Studs	36.8	2.3	8.1	1.3	--	--	--	--	0.3	0.1	45.2	1.0
Furring	23.0	1.5	19.0	3.0	1.1	.1	7.1	3.4	--	--	50.2	1.1
Siding	.2	(1)	.5	.1	--	--	--	--	--	--	.7	(1)
Other	8.6	.6	3.8	.6	1.3	.1	11.6	5.6	6.5	2.4	31.8	.7
All exterior wall	68.6	4.4	31.4	5.0	2.4	.2	18.7	9.0	6.8	2.5	127.9	2.8
Interior wall:												
Studs	270.3	17.6	3.2	0.5	--	--	50.2	24.2	51.7	19.4	375.4	8.4
Furring	5.1	.3	13.0	2.1	.9	--	8.5	4.1	--	--	27.5	.6
Other	1.5	.1	25.0	3.9	14.2	.8	2.3	1.1	1.0	.4	44.0	1.0
All interior wall	276.9	18.0	41.2	6.5	15.1	.8	61.0	29.4	52.7	19.8	446.9	10.0
Millwork:												
Exterior doors	6.5	0.4	1.9	0.3	2.0	0.1	1.9	0.9	3.0	1.1	15.3	0.3
Interior doors	69.6	4.6	151.0	23.9	113.2	6.1	39.0	18.9	19.0	7.2	391.8	8.7
Windows (incl. frames)	20.7	1.3	.3	(1)	.9	(1)	.2	.1	--	--	22.1	.5
Molding & shelving	10.6	.7	17.3	2.8	18.2	1.0	8.0	3.8	11.5	4.3	65.6	1.5
Base cabinets	18.0	1.2	11.9	1.9	20.8	1.1	3.4	1.7	5.9	2.2	60.0	1.3
Wall cabinets	6.8	.4	2.3	.4	2.8	.2	.3	.1	.1	(1)	12.3	.3
Storage cabinets	5.2	.3	.8	.1	36.4	2.0	5.0	2.4	5.8	2.2	53.2	1.2
Other	5.9	.4	1.6	.3	1.1	.1	--	--	--	--	8.6	.2
All millwork	143.3	9.3	187.1	29.7	195.4	10.6	57.8	27.9	45.3	17.0	628.9	14.0
Facilitating:												
Formwork & other	35.7	2.3	251.0	39.8	1,561.5	85.0	53.5	25.8	110.4	41.3	2,012.1	45.0
All building components	1,542.6	100.0	630.4	100.0	1,836.7	100.0	207.4	100.0	267.2	100.0	4,484.3	100.0

[1] Less than 0.05 percent.

Table 6.—Lumber used in the religious building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	442.5	6.5	23.8	2.7	--	--	--	--	7.0	1.0	473.3	5.0
Beams	316.7	4.7	86.7	9.9	19.1	4.1	--	--	33.6	4.9	456.1	4.8
Arches	655.9	9.7	--	--	--	--	95.5	13.0	--	--	751.4	7.9
Rafters	362.2	4.8	10.2	1.2	5.9	1.3	40.4	5.5	.4	.1	383.1	4.0
Joists	248.1	3.6	88.7	10.1	12.9	2.8	2.9	.4	43.8	6.4	396.4	4.1
Decking	1,896.2	27.9	176.2	20.0	52.8	11.4	193.2	26.3	152.6	22.3	2,471.0	25.9
Blocking	171.3	2.5	46.8	5.3	10.3	2.2	50.9	6.9	18.8	2.8	298.1	3.1
Other	108.7	1.6	2.5	.3	1.0	.2	12.9	1.8	4.0	.6	129.1	1.4
All roof	4,165.6	61.3	434.9	49.5	102.0	22.0	395.8	53.9	260.2	38.1	5,358.5	56.2
Floor:												
Beams	--	--	9.4	1.1	--	--	--	--	--	--	9.4	0.1
Joists	236.6	3.5	106.3	12.1	19.3	4.2	14.0	1.9	19.4	2.8	395.6	4.1
Subfloor	25.8	.4	--	--	14.8	3.2	--	--	--	--	40.6	.4
Decking	2.7	([1])	--	--	1.2	.3	4.0	.6	--	--	7.9	.1
Flooring	169.9	2.5	38.0	4.3	37.1	8.0	9.9	1.3	16.7	2.4	271.6	2.9
Other	57.8	.8	10.1	1.2	1.5	.3	5.1	.7	6.5	1.0	81.0	.8
All floor	492.8	7.2	163.8	18.7	73.9	16.0	33.0	4.5	42.6	6.2	806.1	8.4
Exterior wall:												
Studs	178.1	2.6	12.4	1.4	--	--	2.9	0.4	7.9	1.2	201.3	2.1
Furring	46.2	.7	13.4	1.5	1.4	.3	3.8	.5	2.5	.4	67.3	.7
Siding	11.6	.2	--	--	--	--	--	--	1.1	.1	12.7	.1
Other	23.1	.3	6.4	.7	.5	.1	3.7	.5	2.6	.4	36.3	.4
All exterior wall	259.0	3.8	32.2	3.6	1.9	.4	10.4	1.4	14.1	2.1	317.6	3.3
Interior wall:												
Studs	979.4	14.4	91.9	10.5	13.3	2.9	53.6	7.3	78.1	11.4	1,216.3	12.7
Furring	31.3	.5	6.3	.7	1.0	.2	5.2	.7	.1	([1])	43.9	.5
Other	74.1	1.1	19.5	2.2	3.7	0.8	16.5	2.2	9.6	1.4	123.4	1.3
All interior wall	1,084.8	16.0	117.7	13.4	18.0	3.9	75.3	10.2	87.8	12.8	1,383.6	14.5
Millwork:												
Exterior doors	27.2	0.4	9.2	1.1	0.4	0.1	5.1	0.7	8.1	1.2	50.0	0.5
Interior doors	135.9	2.0	45.0	5.1	13.3	2.9	36.3	4.9	24.0	3.5	245.5	2.8
Windows (incl. frames)	66.6	1.0	11.2	1.3	--	--	13.0	1.8	18.9	2.8	109.7	1.1
Molding & shelving	65.2	1.0	24.4	2.8	5.2	1.1	24.5	3.3	15.6	2.3	134.9	1.4
Base cabinets	15.6	.2	3.0	.3	2.5	.6	12.5	1.7	5.9	.8	39.5	.4
Wall cabinets	7.5	.1	1.6	.2	.2	([1])	1.5	.5	3.3	.5	14.1	.1
Storage cabinets	16.3	.2	.2	([1])	3.1	.7	5.9	.8	4.6	.7	30.1	.3
Other	18.4	.3	1.7	.2	1.5	.3	.1	([1])	--	--	21.7	.2
All millwork	352.7	5.2	96.3	11.0	26.2	5.7	98.9	13.4	80.4	11.8	654.5	6.8
Facilitating:												
Formwork & other	441.8	6.5	33.6	3.8	240.8	52.0	121.6	16.6	197.8	29.0	1,035.6	10.8
All building components	6,796.7	100.0	878.5	100.0	462.8	100.0	735.0	100.0	682.9	100.0	9,555.9	100.0

[1] Less than 0.05 percent.

Table 7.—Lumber used in the other building type, by structural class, building component, and construction item, Pennsylvania, 1965

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand bd. ft.	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*	*Thousand bd. ft.*	*Percent*
Roof:												
Trusses	124.1	6.9	81.0	5.4	–	–	–	–	58.2	4.7	263.3	4.4
Beams	93.0	5.2	3.6	.2	–	–	–	–	123.7	9.9	220.3	3.7
Arches	124.3	6.9	9.1	.6	–	–	–	–	–	–	133.4	2.2
Rafters	72.8	4.1	2.4	.2	–	–	9.6	1.9	121.9	9.8	206.7	3.4
Joists	178.8	10.0	–	–	0.5	(1)	68.4	13.4	47.7	3.8	295.4	4.9
Decking	317.8	17.8	298.4	20.0	–	–	37.3	7.3	87.5	7.0	741.0	12.3
Blocking	79.6	4.4	51.6	3.4	11.8	1.2	20.9	4.1	24.7	2.0	188.6	3.1
Other	54.5	3.1	139.8	9.4	9.2	1.0	33.2	6.5	7.1	.6	243.8	4.1
All roof	1,044.9	58.4	585.9	39.2	21.5	2.2	169.4	33.2	470.8	37.8	2,292.5	38.1
Floor:												
Beams	–	–	–	–	–	–	–	–	3.2	0.3	3.2	0.1
Joists	57.6	3.2	.3	(1)	.6	.1	26.1	5.1	3.2	.3	87.8	1.5
Subfloor	11.1	.6	1.8	.1	–	–	–	–	–	–	12.9	.2
Decking	.9	.1	1.8	.1	–	–	–	–	8.7	.7	11.4	.2
Flooring	97.2	5.5	101.6	6.8	21.0	2.2	32.4	6.3	4.4	.3	256.6	4.3
Other	11.3	.6	.9	.1	.1	(1)	1.6	.3	6.7	.5	20.6	.3
All floor	178.1	10.0	106.4	7.1	21.7	2.3	60.1	11.7	26.2	2.1	392.5	6.6
Exterior wall:												
Studs	33.8	1.9	–	–	–	–	13.4	2.6	38.7	3.1	85.9	1.4
Furring	12.9	.7	21.5	1.4	1.7	.2	6.2	1.2	6.0	.5	48.3	.8
Siding	27.7	1.6	–	–	–	–	3.0	.6	32.3	2.6	63.0	1.0
Other	35.8	2.0	14.4	1.0	0.8	.1	6.4	1.2	30.1	2.4	87.5	1.5
All exterior wall	110.2	6.2	35.9	2.4	2.5	.3	29.0	5.6	107.1	8.6	284.7	4.7
Interior wall:												
Studs	98.7	5.5	91.2	6.1	1.6	0.2	44.0	8.6	39.6	3.2	275.1	4.6
Furring	21.8	1.2	22.3	1.5	.6	(1)	.2	(1)	.4	(1)	45.3	.8
Other	21.8	1.2	51.2	3.4	7.4	.8	2.3	.5	20.4	1.6	103.1	1.7
All interior wall	142.3	7.9	164.7	11.0	9.6	1.0	46.5	9.1	60.4	4.8	423.5	7.1
Millwork:												
Exterior doors	21.6	1.2	2.5	0.2	0.3	(1)	22.5	4.4	7.5	0.6	54.4	0.9
Interior doors	45.2	2.5	24.2	1.6	11.8	1.2	23.8	4.6	10.2	.8	115.2	1.9
Windows (incl. frames)	34.7	1.9	.1	(1)	–	–	2.5	.5	10.7	.9	48.0	.8
Molding & shelving	46.2	2.6	32.2	2.2	2.6	.3	8.8	1.7	12.1	1.0	101.9	1.7
Base cabinets	3.6	.2	9.3	.6	1.9	.2	2.4	.5	.9	.1	18.1	.3
Wall cabinets	1.6	.1	1.2	.1	–	–	.3	.1	–	–	3.1	.1
Storage cabinets	2.9	.2	8.4	.6	–	–	.3	(1)	–	–	11.6	.2
Other	7.5	.4	10.8	.7	.1	(1)	3.1	.6	1.6	.1	23.1	.4
All millwork	163.3	9.1	88.7	6.0	16.7	1.7	63.7	12.4	43.0	3.5	375.4	6.3
Facilitating:												
Formwork & other	149.5	8.4	513.4	34.3	891.5	92.5	143.2	28.0	537.7	43.2	2,235.3	37.2
All building components	1,788.3	100.0	1,495.0	100.0	963.5	100.0	511.9	100.0	1,245.2	100.0	6,003.9	100.0

[1] Less than 0.05 percent.

Table 8.—Plywood used in the nonhousekeeping building type, by structural class, building component, and construction item, Pennsylvania, 1965

(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	247.6	19.1	1.9	0.6	--	--	165.3	22.7	29.1	6.3	443.9	11.7
Other	32.9	2.5	5.3	1.7	--	--	13.8	1.9	3.3	.7	55.3	1.4
All roof	280.5	21.6	7.2	2.3	--	--	179.1	24.6	32.4	7.0	449.2	13.1
Floor:												
Subflooring	121.1	9.3	1.3	0.4	--	--	(1)	(2)	52.8	11.5	175.2	4.6
Underlayment	7.3	.6	--	--	--	--	--	--	--	--	7.3	.2
Flooring	12.0	.9	--	--	--	--	--	--	--	--	12.0	.3
Other	.1	(2)	--	--	--	--	--	--	--	--	.1	(2)
All floor	140.5	10.8	1.3	.4	--	--	(1)	(2)	52.8	11.5	194.6	5.1
Exterior wall:												
Sheathing	59.3	4.6	--	--	--	--	0.9	0.1	52.0	11.4	112.2	2.9
Other	6.9	.5	1.5	.5	--	--	2.3	.3	--	--	10.7	.3
All exterior wall	66.2	5.1	1.5	.5	--	--	3.2	.4	52.0	11.4	122.9	3.2
Interior wall:												
Paneling	15.4	1.2	21.2	6.8	22.4	2.2	31.2	4.3	33.0	7.2	123.2	3.2
Other	4.6	.3	.5	.2	.2	(2)	--	--	.3	.1	5.6	.2
All interior wall	20.0	1.5	21.7	7.0	22.6	2.2	31.2	4.3	33.3	7.3	128.8	3.4
Millwork:												
Exterior doors	3.3	0.3	0.6	0.2	0.1	(2)	4.7	0.6	1.8	0.4	10.5	0.3
Interior doors	23.3	1.8	32.4	10.4	475.7	47.1	47.8	6.6	21.6	4.7	600.8	15.8
Shelving	12.0	.9	28.4	9.1	161.7	16.0	17.0	2.3	22.3	4.9	241.4	6.3
Base cabinets	6.5	.5	14.6	4.7	4.3	.4	--	--	2.8	.6	28.2	.7
Wall cabinets	3.1	.2	.3	.1	.1	(2)	--	--	--	--	3.5	.1
Storage cabinets	169.3	13.0	24.2	7.8	29.9	3.0	139.5	19.2	.8	.2	363.7	9.6
Other	17.9	1.4	35.0	11.3	13.1	1.3	1.5	.2	12.6	2.7	80.1	2.1
All millwork	235.4	18.1	135.5	43.6	684.9	67.8	210.5	28.9	61.9	13.5	1,328.2	34.9
Facilitating:												
Formwork	558.0	42.9	139.1	44.7	301.3	29.9	304.0	41.8	223.4	48.7	1,525.8	40.1
Other	--	--	4.6	1.5	.9	.1	--	--	2.6	.6	8.1	.2
All facilitating	558.0	42.9	143.7	46.2	302.2	30.0	304.0	41.8	226.0	49.3	1,533.9	40.3
All building components	1,300.6	100.0	310.9	100.0	1,009.7	100.0	728.0	100.0	458.4	100.0	3,807.6	100.0

[1] Less than 50 square feet.
[2] Less than 0.05 percent.

Table 9.—Plywood used in the commercial building type, by structural class, building component, and construction item, Pennslyvania, 1965
(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	394.9	41.0	261.1	11.1	--	--	601.7	28.9	12.2	1.5	1,269.9	17.0
Other	25.9	2.7	23.6	1.0	--	--	9.1	.6	--	--	58.6	.8
All roof	420.8	43.7	284.7	12.1	--	--	610.8	39.5	12.2	1.5	1,328.5	17.8
Floor:												
Subflooring	72.4	7.5	124.7	5.3	--	--	132.1	8.5	7.7	1.0	336.9	4.5
Underlayment	8.9	.9	--	--	--	--	--	--	2.4	.3	11.3	.1
Flooring	--	--	--	--	--	--	--	--	--	--	--	--
Other	4.0	.4	--	--	--	--	.2	(2)	--	--	4.2	.1
All floor	85.3	8.8	124.7	5.3	--	--	132.3	8.5	10.1	1.3	352.4	4.7
Exterior wall:												
Sheathing	48.9	5.1	34.4	1.5	--	--	242.2	15.7	--	--	325.5	4.3
Other	1.3	.1	8.9	.4	--	--	.6	(2)	.9	.1	11.7	.2
All exterior wall	50.2	5.2	43.3	1.9	--	--	242.8	15.7	.9	.1	337.2	4.5
Interior wall:												
Paneling	25.8	2.7	179.9	7.7	4.2	0.2	66.7	4.3	26.7	3.3	303.3	4.1
Other	.5	.1	44.0	1.9	--	--	(1)	(2)	.8	.1	45.3	.6
All interior wall	26.3	2.8	223.9	9.6	4.2	.2	66.7	4.3	27.5	3.4	348.6	4.7
Millwork:												
Exterior doors	7.6	0.8	13.3	0.6	0.9	0.1	15.6	1.0	0.7	0.1	38.1	0.5
Interior doors	15.2	1.6	25.4	1.1	2.2	.1	12.7	.8	21.0	2.6	76.5	1.0
Shelving	6.0	.6	29.9	1.3	.7	(2)	239.5	15.5	4.4	.6	280.5	3.7
Base cabinets	12.2	1.3	.5	(2)	1.1	.1	4.5	.3	.8	.1	19.1	.3
Wall cabinets	.3	(2)	.0	--	--	--	.2	(2)	.5	.1	1.0	(2)
Storage cabinets	5.7	.6	.2	(2)	--	--	--	--	.6	.1	6.5	.1
Other	11.3	1.2	9.8	.4	.2	(2)	4.3	.3	4.4	.5	30.0	.4
All millwork	58.3	6.1	79.1	3.4	5.1	.3	276.8	17.9	32.4	4.1	451.7	6.0
Facilitating:												
Formwork	321.8	33.4	1,550.9	66.3	1,807.2	99.0	208.7	13.5	718.4	89.6	4,607.0	61.6
Other	--	--	33.0	1.4	8.2	.5	9.1	.6	--	--	50.3	.7
All facilitating	321.8	33.4	1,583.9	57.7	1,815.4	99.5	217.8	14.1	718.4	89.6	4,657.3	62.3
All building components	962.7	100.0	2,339.6	100.0	1,824.7	100.0	1,547.2	100.0	801.5	100.0	7,475.7	100.0

[1] Less than 50 square feet.
[2] Less than 0.05 percent.

Table 10.–Plywood used in the industrial building type by structural class, building component, and construction item, Pennsylvania, 1965

(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	4.1	4.4	251.3	17.0	0.4	0.1	2.1	0.7	95.2	21.9	353.1	12.4
Other	.1	.1	1.9	.1	--	–	--	--	6.8	1.6	8.8	.3
All roof	4.2	4.5	253.2	17.1	.4	.1	2.1	.7	102.0	23.5	361.9	12.7
Floor:												
Subflooring	9.8	10.6	–	--	–	–	--	–	4.2	1.0	14.0	0.5
Underlayment	.8	.9	--	–	--	–	–	–	–	–	.8	(1)
Flooring	–	–	–	--	–	–	--	–	--	--	–	–
Other	--	–	--	--	–	–	–	–	--	–	–	–
All floor	10.6	11.5	--	--	--	–	--	–	4.2	1.0	14.8	.5
Exterior wall:												
Sheathing	–	–	--	–	--	–	–	–	2.2	0.5	2.2	0.1
Other	–	–	–	–	–	–	--	–	–	–	–	–
All exterior wall	--	–	–	–	–	–	–	–	2.2	.5	2.2	.1
Interior wall:												
Paneling	4.8	5.2	13.8	0.9	24.1	4.4	2.7	0.9	1.2	0.3	46.6	1.6
Other	–	–	–	–	–	–	–	–	9.8	2.2	9.8	.4
All interior wall	4.8	5.2	13.8	.9	24.1	4.4	2.7	.9	11.0	2.5	56.4	2.0
Millwork:												
Exterior doors	0.9	1.0	4.9	0.3	0.5	0.1	3.5	1.3	2.4	0.6	12.2	0.4
Interior doors	1.5	1.6	10.8	.8	.6	.1	2.4	.8	3.8	.9	19.1	.7
Shelving	1.0	1.1	1.9	.1	.4	.1	–	–	1.8	.4	5.1	.2
Base cabinets	.1	.1	--	–	–	–	1.4	.5	2.7	.6	4.2	.2
Wall cabinets	–	–	–	--	--	–	.1	(1)	--	–	.1	(1)
Storage cabinets	.2	.2	--	–	–	–	.3	.1	--	–	.5	(1)
Other	–	–	–	--	–	–	.2	.1	.9	.2	1.1	(1)
All millwork	3.7	4.0	17.6	1.2	1.5	.3	7.9	2.8	11.6	2.7	42.3	1.5
Facilitating:												
Formwork	68.7	74.8	1,197.1	80.8	522.4	95.2	274.3	95.6	300.6	69.1	2,363.1	83.1
Other	–	–	--	--	–	–	–	–	3.2	.7	3.2	.1
All facilitating	68.7	74.8	1,197.1	80.8	522.4	95.2	274.3	95.6	303.8	69.8	2,366.3	83.2
All building components	92.0	100.0	1,481.7	100.0	548.4	100.0	287.0	100.0	434.8	100.0	2,843.9	100.0

[1] Less than 0.05 percent.

Table 11.–Plywood used in the educational building type, by structural class, building component, and construction item, Pennsylvania, 1965

(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	129.3	42.5	577.6	9.3	--	–	141.3	15.8	55.2	4.5	903.4	8.0
Other	3.3	1.1	130.8	2.1	3.5	0.1	45.7	5.1	.2	–	183.5	1.6
All roof	132.6	43.6	708.4	11.4	3.5	.1	187.0	20.9	55.4	4.5	1,086.9	9.6
Floor:												
Subflooring	13.0	4.3	17.4	0.3	12.6	0.5	9.3	1.0	50.7	4.1	103.0	0.9
Underlayment	47.2	15.5	--	–	--	–	–	–	2.3	.2	49.5	.5
Flooring	--	--	–	–	–	–	–	–	--	–	–	--
Other	--	–	--	–	--	–	.7	.1	1.7	.2	2.4	(1)
All floor	60.2	19.8	17.4	.3	12.6	.5	10.0	1.1	54.7	4.5	154.9	1.4
Exterior wall:												
Sheathing	11.1	3.6	--	--	–	–	–	–	1.6	0.1	12.7	0.1
Other	–	–	--	–	7.8	.3	--	--	--	--	7.8	.1
All exterior wall	11.1	3.6	–	--	7.8	.3	–	–	1.6	.1	20.5	.2
Interior wall:												
Paneling	10.0	3.3	68.8	1.1	34.7	1.3	8.0	0.9	3.5	0.3	125.0	1.1
Other	1.5	.5	27.3	.4	–	–	15.8	1.8	.5	(1)	45.1	.4
All interior wall	11.5	3.8	96.1	1.5	34.7	1.3	23.8	2.7	4.0	.3	170.1	1.5
Millwork:												
Exterior doors	0.3	0.1	6.8	0.1	1.6	0.1	3.5	0.4	1.2	0.1	13.4	0.1
Interior doors	11.5	3.8	151.8	2.5	79.3	2.9	59.1	6.6	38.2	3.1	339.9	3.0
Shelving	9.5	3.1	261.5	4.2	33.1	1.2	29.8	3.3	37.5	3.0	371.4	3.3
Base cabinets	6.4	2.1	50.2	.8	36.6	1.4	17.7	2.0	71.3	5.8	182.2	1.6
Wall cabinets	.6	.2	2.5	(1)	3.8	.1	7.1	.8	5.2	.4	19.2	.2
Storage cabinets	3.7	1.2	1,422.3	23.0	605.1	22.5	16.3	1.8	75.8	6.1	2,123.2	18.7
Other	3.7	1.2	130.8	2.1	64.0	2.4	4.0	.5	19.8	1.6	222.3	2.0
All millwork	35.7	11.7	2,025.9	32.7	823.5	30.6	137.5	15.4	249.0	20.1	3,271.6	28.9
Facilitating:												
Formwork	53.3	17.5	3,349.5	54.1	1,770.6	65.9	535.1	59.9	871.7	70.5	6,580.2	58.1
Other	–	–	--	–	34.9	1.3	–	–	--	--	34.9	.3
All facilitating	53.3	17.5	3,349.5	54.1	1,805.5	67.2	535.1	59.9	871.7	70.5	6,615.1	58.4
All building components	304.4	100.0	6,197.3	100.0	2,687.6	100.0	893.4	100.0	1,236.4	100.0	11,319.1	100.0

[1] Less than 0.05 percent.

Table 12.–Plywood used in the hospital building type, by structural class, building component, and construction item, Pennsylvania, 1965
(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	542.2	49.6	0.9	0.2	0.2	(1)	4.6	2.0	3.4	1.1	551.3	17.2
Other	37.3	3.4	–	–	.6	.1	3.4	1.5	18.1	5.9	59.4	1.9
All roof	579.5	53.0	.9	.2	.8	.1	8.0	3.5	21.5	7.0	610.7	19.1
Floor:												
Subflooring	88.1	8.1	21.9	5.1	–	–	–	–	0.7	0.2	110.7	3.4
Underlayment	–	–	–	–	–	–	–	–	–	–	–	–
Flooring	–	–	2.4	.6	–	–	–	–	–	–	2.4	.1
Other	1.9	.2	2.8	.6	.6	.1	–	–	–	–	5.3	.2
All floor	90.0	8.3	27.1	6.3	.6	.1	–	–	.7	.2	118.4	3.7
Exterior wall:												
Sheathing	39.7	3.6	–	–	–	–	–	–	–	–	39.7	1.2
Other	25.9	2.4	–	–	–	–	–	–	1.6	.5	27.5	.9
All exterior wall	65.6	6.0	–	–	–	–	–	–	1.6	.5	67.2	2.1
Interior wall:												
Paneling	5.9	0.5	3.7	0.9	10.7	0.9	8.6	3.8	0.1	(1)	29.0	0.9
Other	3.2	.3	1.9	.4	4.9	.4	1.9	.8	4.3	1.4	16.2	.5
All interior wall	9.1	.8	5.6	1.3	15.6	1.3	10.5	4.6	4.4	1.4	45.2	1.4
Millwork:												
Exterior doors	1.4	0.1	0.5	0.1	0.8	0.1	0.6	0.3	1.0	0.3	4.3	0.1
Interior doors	37.9	3.5	44.8	10.4	66.3	5.8	16.2	7.2	21.8	7.1	187.0	5.8
Shelving	13.0	1.2	19.2	4.5	36.7	3.2	8.6	3.8	4.3	1.4	81.8	2.6
Base cabinets	157.7	14.4	41.7	9.7	42.1	3.6	5.4	2.4	29.5	9.6	276.4	8.6
Wall cabinets	4.5	.4	6.8	1.6	6.3	.5	.2	.2	4.4	1.5	22.2	.7
Storage cabinets	60.6	5.5	6.7	1.6	127.8	11.1	55.8	24.7	40.8	13.3	291.7	9.1
Other	20.2	1.9	1.1	.3	12.2	1.1	.5	.2	.4	.2	34.4	1.1
All millwork	295.3	27.0	120.8	28.2	292.2	25.4	87.3	38.8	102.2	33.4	897.8	28.0
Facilitating:												
Formwork	53.1	4.9	274.1	64.0	839.3	72.9	120.0	53.1	176.0	57.4	1,462.5	45.6
Other	–	–	–	–	2.0	.2	–	–	.4	.1	2.4	.1
All facilitating	53.1	4.9	274.1	64.0	841.3	73.1	120.0	53.1	176.4	57.5	1,464.9	45.7
All building components	1,092.6	100.0	428.5	100.0	1,150.5	100.0	225.8	100.0	306.8	100.0	3,204.2	100.0

[1] Less than 0.05 percent.

Table 13.—Plywood used in the religious building type, by structural class, building component, and construction item, Pennsylvania, 1965

(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	943.2	39.6	42.3	13.2	15.8	4.2	110.4	22.6	79.1	11.8	1,190.8	28.1
Other	57.4	2.4	18.1	5.6	8.2	2.1	2.9	.6	5.8	.9	92.4	2.2
All roof	1,000.6	42.0	60.4	18.8	24.0	6.3	113.3	23.2	84.9	12.7	1,283.2	30.3
Floor:												
Subflooring	196.3	8.2	63.9	19.9	2.8	0.7	23.8	4.9	26.4	3.9	313.2	7.4
Underlayment	103.6	4.4	4.9	1.5	.5	.1	36.9	7.6	–	–	145.9	3.4
Flooring	.5	(1)	–	–	–	–	–	–	8.0	1.2	8.5	.2
Other	13.8	.6	–	–	2.3	.6	–	–	–	–	16.1	.4
All floor	314.2	13.2	68.8	21.4	5.6	1.4	60.7	12.5	34.4	5.1	483.7	11.4
Exterior wall:												
Sheathing	37.2	1.6	15.7	4.9	–	–	1.4	0.3	2.1	0.3	56.4	1.3
Other	5.7	.2	–	–	–	–	.5	.1	6.0	.9	12.2	.3
All exterior wall	42.9	1.8	15.7	4.9	–	–	1.9	.4	8.1	1.2	68.6	1.6
Interior wall:												
Paneling	105.3	4.4	11.4	3.5	5.5	1.5	36.5	7.5	2.8	0.4	161.5	3.8
Other	3.1	.1	2.5	.8	.9	.2	5.6	1.1	1.5	.3	13.6	.3
All interior wall	108.4	4.5	13.9	4.3	6.4	1.7	42.1	8.6	4.3	.7	175.1	4.1
Millwork:												
Exterior doors	8.6	0.4	2.3	0.7	0.2	(1)	1.9	0.4	3.3	0.5	16.3	0.4
Interior doors	59.1	2.5	14.1	4.4	11.6	3.0	23.7	4.9	16.8	2.5	125.3	3.0
Shelving	61.7	2.6	8.5	2.7	14.4	3.8	9.0	1.9	10.0	1.5	103.6	2.4
Base cabinets	23.3	1.0	5.0	1.6	8.4	2.2	24.6	5.0	10.4	1.6	71.7	1.7
Wall cabinets	7.4	.3	1.1	.3	.2	.1	4.4	.9	8.9	1.3	22.0	.5
Storage cabinets	127.4	5.3	4.4	1.4	35.3	9.2	32.8	6.7	20.8	3.1	220.7	5.2
Other	40.3	1.7	8.7	2.7	1.1	.3	3.9	.8	2.9	.4	56.9	1.3
All millwork	327.8	13.8	44.1	13.8	71.2	18.6	100.3	20.6	73.1	10.9	616.5	14.5
Facilitating:												
Formwork	588.3	24.7	117.9	36.8	275.0	72.0	169.1	34.7	465.5	69.4	1,615.8	38.1
Other	–	–	–	–	–	–	–	–	–	–	–	–
All facilitating	588.3	24.7	117.9	36.8	275.0	72.0	169.1	34.7	465.5	69.4	1,615.8	38.1
All building components	2,382.2	100.0	320.8	100.0	382.2	100.0	487.4	100.0	670.3	100.0	4,242.9	100.0

[1] Less than 0.05 percent.

Table 14.—Plywood used in the other building type, by structural class, building component, and construction item, Pennsylvania, 1965
(3/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Decking	207.1	27.1	9.1	1.3	0.4	(1)	65.4	19.2	210.0	15.0	492.0	9.6
Other	17.9	3.2	40.4	5.9	--	--	46.8	13.8	15.5	1.1	120.6	2.3
All roof	225.0	40.3	49.5	7.2	.4	(1)	112.2	33.0	225.5	16.1	612.6	11.9
Floor:												
Subflooring	31.2	5.6	4.2	0.6	0.6	(1)	10.7	3.1	4.3	0.3	51.0	1.0
Underlayment	--	--	1.1	.2	(2)	(1)	--	--	15.9	1.1	17.0	.3
Flooring	--	--	--	--	--	--	--	--	--	--	--	--
Other	1.5	.3	--	--	--	--	--	--	--	--	1.5	(1)
All floor	32.7	5.9	5.3	.8	.6	(1)	10.7	3.1	20.2	1.4	69.5	1.3
Exterior wall:												
Sheathing	12.4	2.2	--	--	--	--	1.1	0.3	42.1	3.0	55.6	1.1
Other	11.9	2.1	1.4	.2	--	--	.1	(1)	--	--	13.4	.2
All exterior wall	24.3	4.3	1.4	.2	--	--	1.2	.3	42.1	3.0	69.0	1.3
Interior wall:												
Paneling	53.4	9.6	43.9	6.4	1.5	0.1	7.0	2.1	42.7	3.1	148.5	2.9
Other	11.3	2.0	.8	.1	--	--	.3	.1	--	--	12.4	.2
All interior wall	64.7	11.6	44.7	6.5	1.5	.1	7.3	2.2	42.7	3.1	160.9	3.1
Millwork:												
Exterior doors	4.1	0.7	0.5	0.1	0.2	(1)	3.3	1.0	1.4	0.1	9.5	0.2
Interior doors	13.3	2.4	11.2	1.6	3.9	.2	6.0	1.7	5.0	.4	39.4	.8
Shelving	14.1	2.5	19.8	2.9	4.3	.2	1.8	.5	.7	(1)	40.7	.8
Base cabinets	5.3	.9	27.3	4.0	10.6	.5	2.3	.7	4.9	.4	50.4	1.0
Wall cabinets	.9	.2	1.1	.2	--	--	.7	.2	--	--	2.7	.1
Storage cabinets	18.3	3.3	24.1	3.5	--	--	.3	.1	--	--	42.7	.8
Other	6.2	1.1	7.1	1.0	2.2	.1	1.8	.5	--	--	17.3	.3
All millwork	62.2	11.1	91.1	13.3	21.2	1.0	16.2	4.7	12.0	.9	202.7	4.0
Facilitating:												
Formwork	149.5	26.8	475.0	69.3	2,142.2	98.9	192.9	56.7	1,050.1	75.0	4,009.7	77.9
Other	--	--	18.2	2.7	--	--	--	--	7.4	.5	25.6	.5
All facilitating	149.5	26.8	493.2	72.0	2,142.2	98.9	192.9	56.7	1,057.5	75.5	4,035.3	78.4
All building components	558.4	100.0	685.2	100.0	2,165.9	100.0	340.5	100.0	1,400.0	100.0	5,150.0	100.0

[1] Less than 0.05 percent.
[2] Less than 50 square feet.

Table 15.–Hardboard, particleboard, and insulation board used in the nonhousekeeping building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Interior wall:												
Paneling	–	–	4.0	29.1	143.0	98.6	–	–	–	–	147.0	89.6
Millwork:												
Base cabinets	4.7	96.1	0.4	3.1	2.1	1.4	–	–	0.2	100.0	7.4	4.5
Wall cabinets	.1	1.6	(1)	.1	–	–	–	–	–	–	.1	.1
Storage cabinets	–	–	9.2	67.7	–	–	–	–	–	–	9.2	5.6
Other	.1	2.3	–	–	–	–	0.3	100.0	–	–	.4	.2
All millwork	4.9	100.0	9.6	10.2	2.1	1.4	.3	100.0	.2	100.0	17.1	10.4
All building components	4.9	100.0	13.6	100.0	145.1	100.0	.3	100.0	.2	100.0	164.1	100.0

PARTICLEBOARD (3/4-inch basis)

Floor:												
Underlayment	0.3	5.1	–	–	–	–	–	–	–	–	0.3	0.4
Interior wall:												
Partition	–	–	–	–	–	–	–	–	0.4	93.5	.4	.6
Millwork:												
Doors	.3	6.6	–	–	–	–	–	–	–	–	.3	.4
Shelving	–	–	–	–	0.3	1.0	–	–	–	–	.3	.3
Base cabinets	3.4	65.2	0.2	0.4	3.3	13.0	–	–	(1)	6.5	6.9	9.8
Wall cabinets	.3	5.1	(1)	.1	(1)	.1	–	–	–	–	.3	.4
Storage cabinets	–	–	34.4	99.5	7.8	31.1	–	–	–	–	42.2	60.1
Other	.9	18.0	–	–	13.7	54.8	5.1	100.0	–	–	19.7	28.0
All millwork	4.9	94.6	34.6	100.0	25.1	100.0	5.1	100.0	(1)	6.5	69.7	99.0
All building components	5.2	100.0	34.6	100.0	25.1	100.0	5.1	100.0	.4	100.0	70.4	100.0

INSULATION BOARD (1/2-inch basis)

Roof:												
Sheathing	–	–	–	–	–	–	78.9	100.0	–	–	78.9	87.7
Wall:												
Sheathing	11.1	100.0	–	–	–	–	–	–	–	–	11.1	12.3
All building components	11.1	100.0	–	–	–	–	78.9	100.0	–	–	90.0	100.0

[1] Less than 50 square feet.

Table 16.—Hardboard, particleboard, and insulation board used in the commercial building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Sheathing	4.7	17.6	--	--	--	--	--	--	--	--	4.7	0.6
Floor:												
Underlayment & other	.8	2.9	--	--	--	--	425.1	91.8	--	--	425.9	56.1
Exterior wall:												
Sheathing	18.3	67.4	--	--	--	--	1.5	.3	--	--	19.8	2.6
Interior wall:												
Paneling	.7	2.6	192.0	100.0	3.0	90.0	11.8	2.6	71.3	96.6	278.8	36.7
Millwork:												
Doors	--	--	--	--	--	--	24.2	5.2	1.4	1.9	25.6	3.4
Base cabinets	2.5	9.3	--	--	.3	10.0	.5	.1	.9	1.2	4.2	.6
Wall cabinets	.1	.2	--	--	--	--	--	--	.2	.3	.3	(1)
All millwork	2.6	9.5	--	--	.3	10.0	24.7	5.3	2.5	3.4	30.1	4.0
All building components	27.1	100.0	192.0	100.0	3.3	100.0	463.1	100.0	73.8	100.0	759.3	100.0

PARTICLEBOARD (3/4-inch basis)

Interior wall:												
Paneling	0.4	27.0	--	--	--	--	--	--	--	--	0.4	2.5
Other	--	--	0.6	98.0	--	--	--	--	--	--	.6	3.7
All interior wall	.4	27.0	.6	98.0	--	--	--	--	--	--	1.0	6.2
Millwork:												
Doors	--	--	--	--	--	--	--	--	11.1	96.7	11.1	69.2
Shelving	--	--	--	--	--	--	1.5	65.4	--	--	1.5	9.3
Base cabinets	1.0	69.1	(2)	2.0	0.2	100.0	.7	30.0	.4	3.3	2.3	14.3
Wall cabinets	(2)	3.9	--	--	--	--	.1	4.6	--	--	.1	1.0
All millwork	1.0	73.0	(2)	2.0	.2	100.0	2.3	100.0	11.5	100.0	15.0	93.8
All building components	1.4	100.0	.6	100.0	.2	100.0	2.3	100.0	11.5	100.0	16.0	100.0

INSULATION BOARD (1/2-inch basis)

Roof:												
Sheathing	--	--	1,035.4	100.0	--	--	--	--	--	--	1,035.4	95.1
Wall:												
Sheathing	52.9	100.0	--	--	--	--	--	--	--	--	52.9	4.9
All building components	52.9	100.0	1,035.4	100.0	--	--	--	--	--	--	1,088.3	100.0

[1] Less than 0.05 percent.
[2] Less than 50 square feet.

Table 17.–Hardboard, particleboard, and insulation board used in the industrial building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Interior wall:												
Paneling	12.3	100.0	247.1	100.0	–	–	–	–	354.7	99.8	614.1	99.9
Millwork:												
Doors	–	–	–	–	–	–	–	–	.7	.2	.7	.1
Base cabinets	–	–	–	–	–	–	0.1	100.0	–	–	.1	(1)
All millwork	–	–	–	–	–	–	.1	100.0	.7	.2	.8	.1
All building components	12.3	100.0	247.1	100.0	–	–	.1	100.0	355.4	100.0	614.9	100.0
PARTICLEBOARD (3/4-inch basis)												
Interior wall:												
Partition	–	–	–	–	0.8	100.0	–	–	–	–	0.8	73.0
Millwork:												
Base cabinets	–	–	–	–	–	–	0.2	85.7	–	–	.2	16.6
Wall cabinets	–	–	–	–	–	–	(2)	14.3	–	–	(2)	2.8
Other	–	–	–	–	–	–	–	–	0.1	100.0	.1	7.6
All millwork	–	–	–	–	–	–	.2	100.0	.1	100.0	.3	27.0
All building components	–	–	–	–	.8	100.0	.2	100.0	.1	100.0	1.1	100.0
INSULATION BOARD (1/2-inch basis)												
Roof:												
Sheathing	–	–	–	–	–	–	763.1	100.0	–	–	763.1	100.0
All building components	–	–	–	–	–	–	763.1	100.0	–	–	763.1	100.0

[1] Less than 0.05 percent.
[2] Less than 50 square feet.

Table 18.—Hardboard, particleboard, and insulation board used in the educational building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Sheathing	74.3	88.7	--	--	--	--	--	--	--	--	74.3	7.1
Interior wall:												
Partition	--	--	46.9	53.7	--	--	--	--	--	--	46.9	4.5
Paneling	--	--	--	--	--	--	--	--	466.9	98.4	466.9	44.8
All interior wall	--	--	46.9	53.7	--	--	--	--	466.9	98.4	513.8	49.3
Millwork:												
Doors	1.6	1.9	--	--	81.6	24.6	--	--	--	--	83.2	8.0
Base cabinets	.2	.3	29.1	33.4	35.0	10.6	18.3	28.2	2.4	.5	85.0	8.2
Wall cabinets	.1	.1	.5	.5	.7	.2	9.8	15.1	.3	.1	11.4	1.1
Storage cabinets	7.4	8.9	--	--	207.7	62.6	29.4	45.3	4.4	.9	248.9	23.9
Other	(1)	.1	10.8	12.4	6.5	2.0	7.4	11.4	.5	.1	25.2	2.4
All millwork	9.3	11.3	40.4	46.3	331.5	100.0	64.9	100.0	7.6	1.6	453.7	43.6
Facilitating:												
Formwork	.1	(2)	--	--	--	--	--	--	--	--	.1	(2)
All building components	83.7	100.0	87.3	100.0	331.5	100.0	64.9	100.0	474.5	100.0	1,041.9	100.0
PARTICLEBOARD (3/4-inch basis)												
Floor:												
Underlayment	--	--	--	--	--	--	--	--	0.8	3.4	0.8	0.1
Interior wall:												
Paneling	--	--	--	--	--	--	4.1	1.2	--	--	4.1	.8
Millwork:												
Doors	0.8	15.7	--	--	--	--	3.2	.9	16.6	76.0	20.6	4.1
Shelving	--	--	--	--	5.3	4.7	--	--	--	--	5.3	1.0
Base cabinets	.1	2.3	20.9	98.2	25.6	22.6	73.6	21.2	3.9	17.8	124.1	24.4
Wall cabinets	(1)	.4	.3	1.4	.9	.8	1.5	.4	.6	2.8	3.3	.7
Storage cabinets	--	--	--	--	80.3	70.9	264.5	76.3	--	--	344.8	67.8
Other	4.3	81.6	.1	.4	1.1	1.0	--	--	--	--	5.5	1.1
All millwork	5.2	100.0	21.3	100.0	113.2	100.0	342.8	98.8	21.1	96.6	503.6	99.1
All building components	5.2	100.0	21.3	100.0	113.2	100.0	346.9	100.0	21.9	100.0	508.5	100.0
INSULATION BOARD (1/2-inch basis)												
Roof:												
Sheathing	95.8	100.0	--	--	--	--	--	--	378.5	100.0	474.3	100.0
All building components	95.8	100.0	--	--	--	--	--	--	378.5	100.0	474.3	100.0

[1] Less than 50 square feet.
[2] Less than 0.05 percent.

Table 19.—Hardboard, particleboard, and insulation board used in the hospital building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Floor:												
Underlayment	–	–	–	–	–	–	–	–	40.4	64.7	40.4	29.5
Interior wall:												
Paneling	–	–	–	–	0.4	0.6	–	–	22.0	35.3	22.4	16.3
Millwork:												
Base cabinets	6.2	68.9	2.2	54.9	15.1	26.2	3.8	97.7	–	–	27.3	19.9
Wall cabinets	1.9	20.6	.5	12.0	1.5	2.6	.1	2.3	–	–	4.0	2.9
Storage cabinets	–	–	.1	3.6	40.5	70.2	–	–	–	–	40.6	29.7
Other	.9	10.5	1.2	29.5	.2	.4	–	–	–	–	2.3	1.7
All millwork	9.0	100.0	4.0	100.0	57.3	99.4	3.9	100.0	–	–	74.2	54.2
All building components	9.0	100.0	4.0	100.0	57.7	100.0	3.9	100.0	62.4	100.0	137.0	100.0

PARTICLEBOARD (3/4-inch basis)

Floor:												
Underlayment	22.0	82.9	–	–	–	–	–	–	–	–	22.0	34.9
Interior wall:												
Partition	–	–	0.1	1.2	–	–	–	–	–	–	0.1	0.1
Paneling	–	–	2.5	24.9	–	–	–	–	–	–	2.5	4.0
Other	–	–	–	–	0.5	2.0	–	–	–	–	.5	.8
All interior wall	–	–	2.6	26.1	.5	2.0	–	–	–	–	3.1	4.9
Millwork:												
Doors	–	–	–	–	8.0	32.0	–	–	–	–	8.0	12.7
Shelving	–	–	.4	3.7	(1)	.1	–	–	–	–	.4	.6
Base cabinets	3.8	14.2	7.0	68.8	8.0	32.0	1.3	97.1	–	–	20.1	31.9
Wall cabinets	.3	1.2	–	–	.3	1.1	.1	2.9	–	–	.7	1.1
Storage cabinets	–	–	.1	1.4	5.9	23.3	–	–	–	–	6.0	9.5
Other	.4	1.7	–	–	2.4	9.5	–	–	–	–	2.8	4.4
All millwork	4.5	17.1	7.5	73.9	24.6	98.0	1.4	100.0	–	–	38.0	60.2
All building components	26.5	100.0	10.1	100.0	25.1	100.0	1.4	100.0	–	–	63.1	100.0

INSULATION BOARD (1/2-inch basis)

Roof:												
Sheathing	13.0	100.0	–	–	–	–	–	–	–	–	13.0	100.0
All building components	13.0	100.0	–	–	–	–	–	–	–	–	13.0	100.0

[1] Less than 50 square feet.

Table 20.—Hardboard, particleboard, and insulation board used in the religious building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Roof:												
Sheathing & other	29.9	33.3	–	–	–	–	–	–	–	–	29.9	23.6
Floor:												
Underlayment	7.4	8.2	–	–	–	–	–	—	–	–	7.4	5.8
Exterior wall:												
Sheathing & other	2.3	2.6	–	–	–	–	–	–	–	–	2.3	1.8
Interior wall:												
Partition	26.2	29.2	–	–	–	–	–	–	–	–	26.2	20.7
Millwork:												
Base cabinets	14.5	16.1	1.8	89.5	2.0	98.5	15.3	88.3	11.7	74.1	45.3	35.6
Wall cabinets	.7	.8	.2	10.5	(1)	1.5	2.0	11.7	4.1	25.9	7.0	5.6
Storage cabinets	8.8	9.8	–	–	–	–	–	–	–	–	8.8	6.9
All millwork	24.0	26.7	2.0	100.0	2.0	100.0	17.3	100.0	15.8	100.0	61.1	48.1
All building components	89.8	100.0	2.0	100.0	2.0	100.0	17.3	100.0	15.8	100.0	126.9	100.0
PARTICLEBOARD (3/4-inch basis)												
Interior wall:												
Partition	2.2	7.4	3.4	62.2	–	–	5.9	50.9	–	–	11.5	17.6
Millwork:												
Base cabinets	18.8	63.4	1.9	34.2	0.6	90.5	5.5	47.4	12.2	67.8	39.0	59.5
Wall cabinets	2.0	6.9	.2	3.6	(1)	9.5	.2	1.7	5.8	32.2	8.2	12.7
Storage cabinets	.1	.1	–	–	–	–	–	–	–	–	.1	.1
Other	6.6	22.2	–	–	–	–	–	–	–	–	6.6	10.1
All millwork	27.5	92.6	2.1	37.8	.6	100.0	5.7	49.1	18.0	100.0	53.9	82.4
All building components	29.7	100.0	5.5	100.0	.6	100.0	11.6	100.0	18.0	100.0	65.4	100.0
INSULATION BOARD (1/2-inch basis)												
Roof:												
Sheathing	117.5	94.7	–	–	–	–	–	–	152.7	93.8	270.2	91.7
Wall:												
Sheathing & other	6.5	5.3	–	–	–	–	7.7	100.0	10.1	6.2	24.3	8.3
All building component	124.0	100.0	–	–	–	–	7.7	100.0	162.8	100.0	294.5	100.0

[1] Less than 50 square feet.

Table 21.—Hardboard, particleboard, and insulation board used in the other building type, by structural class, building component, and construction item, Pennsylvania, 1965

HARDBOARD (1/8-inch basis)

Building component and construction item	Structural class											
	Wood		Steel		Concrete		Masonry		Unclassified		All classes	
	Thousand sq. ft.	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*	*Thousand sq. ft.*	*Percent*
Exterior wall:												
Sheathing & other	–	–	1.3	32.8	–	–	–	–	–	–	1.3	3.7
Interior wall:												
Paneling	–	–	–	–	–	–	–	–	6.1	39.1	6.1	16.9
Millwork:												
Doors	–	–	.6	13.9	–	–	–	–	–	–	.6	1.7
Base cabinets	1.2	7.4	1.8	42.6	–	–	0.2	96.1	9.5	60.9	12.7	35.3
Wall cabinets	.1	.3	.1	3.4	–	–	(1)	3.9	–	–	.2	.5
Other	.5	3.1	.3	7.3	–	–	–	–	–	–	.8	2.2
All millwork	1.8	10.8	2.8	67.2	–	–	.2	100.0	9.5	60.9	14.3	39.7
Facilitating:												
Formwork	14.3	89.2	–	–	–	–	–	–	–	–	14.3	39.7
All building components	16.1	100.0	4.1	100.0	–	–	.2	100.0	15.6	100.0	36.0	100.0

PARTICLEBOARD (3/4-inch basis)

Interior wall:												
Paneling	–	–	6.1	43.1	–	–	–	–	–	–	6.1	35.3
Millwork:												
Shelving	0.1	6.1	(1)	.3	0.1	100.0	0.2	22.5	–	–	.4	2.3
Base cabinets	2.0	85.7	2.9	20.9	–	–	.3	45.0	–	–	5.2	30.0
Wall cabinets	.2	8.2	.1	.4	–	–	.3	32.5	–	–	.6	3.5
Storage cabinets	–	–	5.0	35.3	–	–	–	–	–	–	5.0	28.9
All millwork	2.3	100.0	8.0	56.9	.1	100.0	.8	100.0	–	–	11.2	64.7
All building components	2.3	100.0	14.1	100.0	.1	100.0	.8	100.0	–	–	17.3	100.0

INSULATION BOARD (1/2-inch basis)

Roof:												
Sheathing	–	–	–	–	–	–	55.6	100.0	–	–	55.6	100.0
All building components	–	–	–	–	–	–	55.6	100.0	–	–	55.6	100.0

[1] Less than 50 square feet.

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